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DATE MAILED: 06/11/2003

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10:073,723 02/11.2002 Zhongze Wang 400.147US01 06 11 2003 FOGG SLIFER & POLGLAZE, P.A. EXAMINER Attn Thomas W. Leffert PHAM, THANH V P. O Box 581009 Minneapolis, MN 55402 ART UNIT PAPER NUMBER 2823

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	<del>- (jive</del>
•	10/073,723	WANG ET AL.	
Office Action Summary	Examiner	Art Unit	
	Thanh V Pham	2823	
The MAILING DATE of this communication a	ppears on the cover sheet with the	e correspondence addres	s
Period for Reply  A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION  - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a r  - If NO period for reply is specified above, the maximum statutory perion  - Failure to reply within the set or extended period for reply will, by stated to the period by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1 704(b)	N. 1.136(a). In no event, however, may a reply be eply within the statutory minimum of thirty (30) od will apply and will expire SIX (6) MONTHS frought, cause the application to become ABANDO	timely filed days will be considered timely om the mailing date of this community (35 U S C § 133).	nication
Status			
1) Responsive to communication(s) filed on <u>0</u>	<u>6 May 2003</u> .		
2a) ☐ This action is <b>FINAL</b> . 2b) ☐	This action is non-final.		
3) Since this application is in condition for allo closed in accordance with the practice under the practice of Claims.	•	•	erits is
Disposition of Claims			
4) Claim(s) 1-32 is/are pending in the application			
4a) Of the above claim(s) is/are withd	rawn from consideration.		
5) Claim(s) <u>1-11 and 26-32</u> is/are allowed.			
6) Claim(s) <u>12-25</u> is/are rejected.			
7) Claim(s) is/are objected to.			
<ul><li>8) Claim(s) are subject to restriction and Application Papers</li></ul>	l/or election requirement.		
9) The specification is objected to by the Examin	ner.		
10) The drawing(s) filed on is/are: a) acc	cepted or b) objected to by the Ex	kaminer.	
Applicant may not request that any objection to	the drawing(s) be held in abeyance.	See 37 CFR 1.85(a).	
11)☐ The proposed drawing correction filed on	is: a)□ approved b)□ disapp	proved by the Examiner.	
If approved, corrected drawings are required in	reply to this Office action.		
12) The oath or declaration is objected to by the f	Examiner.		
Priority under 35 U.S.C. §§ 119 and 120			
13) Acknowledgment is made of a claim for foreign	ign priority under 35 U.S.C. § 119	(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:			
1. Certified copies of the priority docume	nts have been received.		
2. Certified copies of the priority docume	nts have been received in Applica	ation No	
<ul><li>3. Copies of the certified copies of the prapplication from the International E</li><li>* See the attached detailed Office action for a lie</li></ul>	Bureau (PCT Rule 17.2(a)).		е
14) Acknowledgment is made of a claim for dome:	stic priority under 35 U.S.C. § 119	e) (to a provisional appl	ication).
a) ☐ The translation of the foreign language p 15)☐ Acknowledgment is made of a claim for dome			
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informa	ary (PTO-413) Paper No(s) al Patent Application (PTO-152	
S Patent and Trademark Office			

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#### **DETAILED ACTION**

### Election/Restrictions

1. Applicant's election without traverse of Group I, claims 1-32, in Paper No. 4 is acknowledged.

### Claim Rejections - 35 USC § 112

- 2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

  The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claims 12-25 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- 4. Claims 12-25 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite in that it fails to point out what is included or excluded by the claim language. This claim is an omnibus type claim. In this instant, the "epitaxial growth layer" and "extensions" should be labeled as –extensions of the S/D regions—to make clear that there is no layer or material in between the channel and the S/D, which is Sy definition in passible.

## Allowable Subject Matter

- 5. Claims 1-11 and 26-32 are allowed.
- 6. The following is a statement of reasons for the indication of allowable subject matter: the cited prior art, individually or in combination, does not disclose or suggest all of the claimed elements in the present application wherein, to prevent the junction

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leakage in the grain boundary of a FET, an epitaxial growth extension S/D regions is

formed on the exposed portion of the channel region.

7. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Thanh V Pham whose telephone number is 703-308-

2543. The examiner can normally be reached on M-T (6:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Olik Chaudhuri can be reached on 703-306-2794. The fax phone numbers

for the organization where this application or proceeding is assigned are 703-308-7722

for regular communications and 703-308-7382 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is 703-308-

0956.

TWP

TvP

June 6, 2003

George Fourson

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Primary Examiner